

NNN		NNN	CCCCCCCCCCCC	PPPPPPPPPPPP	
NNN		NNN	CCCCCCCCCCCC	PPPPPPPPPPPP	
NNN		NNN	CCCCCCCCCCCC	PPPPPPPPPPPP	
NNN		NNN	CCC	PPP	PPP
NNN		NNN	CCC	PPP	PPP
NNN		NNN	CCC	PPP	PPP
NNNNNN		NNN	CCC	PPP	PPP
NNNNNN		NNN	CCC	PPP	PPP
NNNNNN		NNN	CCC	PPP	PPP
NNN	NNN	NNN	CCC	PPPPPPPPPPPP	
NNN	NNN	NNN	CCC	PPPPPPPPPPPP	
NNN	NNN	NNN	CCC	PPPPPPPPPPPP	
NNN		NNNNNN	CCC	PPP	
NNN		NNNNNN	CCC	PPP	
NNN		NNNNNN	CCC	PPP	
NNN		NNN	CCC	PPP	
NNN		NNN	CCC	PPP	
NNN		NNN	CCC	PPP	
NNN		NNN	CCC	PPP	
NNN		NNN	CCCCCCCCCCCC	PPP	
NNN		NNN	CCCCCCCCCCCC	PPP	
NNN		NNN	CCCCCCCCCCCC	PPP	

```

NN      NN      CCCCCCCC PPPPPPPP SSSSSSSS TTTTTTTTTT AAAAAA LL      IIIIII NN      NN
NN      NN      CCCCCCCC PPPPPPPP SSSSSSSS TTTTTTTTTT AAAAAA LL      IIIIII NN      NN
NN      NN      CC      PP      PP      SS      TT      AA      AA      LL      II      NN      NN
NN      NN      CC      PP      PP      SS      TT      AA      AA      LL      II      NN      NN
NNNN      NN      CC      PP      PP      SS      TT      AA      AA      LL      II      NNNN      NN
NNNN      NN      CC      PP      PP      SS      TT      AA      AA      LL      II      NNNN      NN
NN      NN      CC      PPPPPPPP SSSSSS      TT      AA      AA      LL      II      NN      NN      NN
NN      NN      CC      PPPPPPPP SSSSSS      TT      AA      AA      LL      II      NN      NN      NN
NN      NNNN      CC      PP      SS      TT      AAAAAAAAAA LL      II      NN      NNNN
NN      NNNN      CC      PP      SS      TT      AAAAAAAAAA LL      II      NN      NNNN
NN      NN      CC      PP      SS      TT      AA      AA      LL      II      NN      NN
NN      NN      CC      PP      SS      TT      AA      AA      LL      II      NN      NN
NN      NN      CCCCCCCC PP      SSSSSSSS TT      AA      AA      LLLLLLLLLL IIIIII NN      NN
NN      NN      CCCCCCCC PP      SSSSSSSS TT      AA      AA      LLLLLLLLLL IIIIII NN      NN

```



```
0001 0 %TITLE 'Line Parameter Parse States and Data'
0002 0 MODULE NCPSTALIN (IDENT = 'V04-000', LIST(NOOBJECT)) =
0003 1 BEGIN
0004 1
0005 1
0006 1 *****
0007 1 *
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0024 1 *   SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
0025 1 *
0026 1 *
0027 1 *****
0028 1
0029 1
0030 1 ++
0031 1 FACILITY:      Network Control Program (NCP)
0032 1
0033 1 ABSTRACT:
0034 1
0035 1       States and data for the parsing of NCP line parameters
0036 1
0037 1 ENVIRONMENT:   VAX/VMS Operating System
0038 1
0039 1 AUTHOR:       Darrell Duffy   , CREATION DATE: 10-September-79
0040 1
0041 1 MODIFIED BY:
0042 1
0043 1       V03-012 PRD0108      Paul R. DeStefano      23-Jul-1984
0044 1       Change LINE PROTOCOL NI to LINE PROTOCOL ETHERNET.
0045 1
0046 1       V03-011 RPG0011      Bob Grosso              19-Feb-1983
0047 1       Add LINE BUFFER SIZE, DU-2.
0048 1
0049 1       V03-010 RPG0010      Bob Grosso              16-Dec-1982
0050 1       Include ETHERNET PROTOCOL parsing.
0051 1
0052 1       V03-009 RPG0009      Bob Grosso              29-Nov-1982
0053 1       Remove references to nma$c_linpr_x25 and _LAP.
0054 1
0055 1       V03-008 RPG0008      Bob Grosso              22-Jul-1982
0056 1       Add LINE PROTOCOL NI add LINE PROTOCOL X25
0057 1
```

58	0058	1	V03-007	RPG0007	Bob Grosso	28-Jun-1982
59	0059	1		Change MAX BLOCK to MAX DATA.		
60	0060	1				
61	0061	1	V006	TMH0006	Tim Halvorsen	08-Mar-1982
62	0062	1		Only prompt for "essential" and "important" parameters.		
63	0063	1				
64	0064	1	V005	TMH0005	Tim Halvorsen	08-Jan-1982
65	0065	1		Remove TMH0003, thus restoring RETRANSMIT TIMER		
66	0066	1		to a line parameter, which is what NM V3.0 finally		
67	0067	1		came up with.		
68	0068	1				
69	0069	1	V004	TMH0004	Tim Halvorsen	2-Dec-1981
70	0070	1		Force user to spell out "LAPB" protocol keyword		
71	0071	1		completely, since there is also a LAP protocol,		
72	0072	1		not yet supported by DNA.		
73	0073	1				
74	0074	1	V003	TMH0003	Tim Halvorsen	05-Aug-1981
75	0075	1		Change RETRANSMIT TIMER to a circuit parameter,		
76	0076	1		rather than a line parameter.		
77	0077	1				
78	0078	1	V002	TMH0002	Tim Halvorsen	07-Jul-1981
79	0079	1		Add line clock parameter.		
80	0080	1				
81	0081	1	V001	TMH0001	Tim Halvorsen	17-Jun-1981
82	0082	1		Add new V2.2 line parameters		
83	0083	1				

NCPSTALIN
V04-000

Line Parameter Parse States and Data
Definitions

I 16
16-Sep-1984 00:30:24
14-Sep-1984 12:48:22

VAX-11 Bliss-32 V4.0-742
[NCP.SRC]NCPSTALIN.B32;1

Page 3
(2)

```
: 85      0084 1 %SBTTL 'Definitions'
: 86      0085 1
: 87      0086 1 |
: 88      0087 1 | INCLUDE FILES:
: 89      0088 1 |
: 90      0089 1 |
: 91      0090 1 |     LIBRARY 'LIB$:NMALIBRY';
: 92      0091 1 |     LIBRARY 'LIB$:NCPLIBRY';
: 93      0092 1 |     LIBRARY 'SYSS$LIBRARY:TPAMAC';
: 94      0093 1 |
: 95      0094 1 |
: 96      0095 1 | EXTERNAL REFERENCES:
: 97      0096 1 |
: 98      0097 1 |
: 99      0098 1 |     ACT_DFN           ! Action routine externals
```

```
.. 101      0099 1 %SBTTL 'Parameter blocks'
.. 102      0100 1
.. 103      0101 1
.. 104      0102 1
.. 105      0103 1
.. 106      0104 1
.. 107      0105 1
.. 108      0106 1
.. 109      0107 1
.. 110      0108 1
.. 111      P 0109 1
.. 112      PP 0110 1
.. 113      PP 0111 1
.. 114      P 0112 1
.. 115      P 0113 1
.. 116      P 0114 1
.. 117      P 0115 1
.. 118      P 0116 1
.. 119      P 0117 1
.. 120      P 0118 1
.. 121      P 0119 1
.. 122      P 0120 1
.. 123      P 0121 1
.. 124      P 0122 1
.. 125      P 0123 1
.. 126      P 0124 1
.. 127      P 0125 1
.. 128      P 0126 1
.. 129      P 0127 1
.. 130      P 0128 1
.. 131      P 0129 1
.. 132      P 0130 1
.. 133      P 0131 1
.. 134      P 0132 1
.. 135      P 0133 1
.. 136      P 0134 1
.. 137      P 0135 1
.. 138      P 0136 1
.. 139      P 0137 1
.. 140      P 0138 1
.. 141      P 0139 1
.. 142      P 0140 1
.. 143      P 0141 1
.. 144      P 0142 1
.. 145      0143 1
.. 146      0144 1
.. 147      P 0145 1
.. 148      PP 0146 1
.. 149      PP 0147 1
.. 150      P 0148 1
.. 151      P 0149 1
.. 152      P 0150 1
.. 153      P 0151 1
.. 154      P 0152 1
.. 155      P 0153 1
.. 156      P 0154 1
.. 157      P 0155 1

      BIND DATA:

      Parameter Blocks

      BUILD_PCL

      (LIN,

      STA, NUMB,      PCLI_STA,
      SER, NUMB,      PCLI_SER,
      CTM, NUMW,      PCLI_LCT,
      COS, NUMB,      PCLI_COS,
      DEV, TKN,       PCLI_DEV,
      PRO, NUMB,      PCLI_PRO,
      DUP, NUMB,      PCLI_DUP,
      CON, NUMB,      PCLI_CON,
      CLO, NUMB,      PCLI_CLO,
      TYP, NUMB,      PCLI_LTY,
      STM, NUMW,      PCLI_STI,
      NTM, NUMW,      PCLI_NTI,
      HTI, NUMW,      PCLI-HTI,
      MBL, NUMW,      PCLI_MBL,
      MRT, NUMB,      PCLI_MRT,
      MWI, NUMB,      PCLI_MWI,
      TRB, NUMB,      PCLI_TRI,
      SLT, NUMW,      PCLI_SLT,
      DDT, NUMW,      PCLI-DDT,
      DLT, NUMW,      PCLI-DLT,
      SRT, NUMW,      PCLI-SRT,
      BFN, NUMW,      PCLI_BFN,

      MCD, TKN,       PCLI_MCD,
      XMD, NUMB,      PCLI_XMD,
      EPT, NUMW,      PCLI-EPT,
      BFS, NUMW,      PCLI-BSZ,

      , END, , ,

      )

      BUILD_PBK

      (LIN,

      STAON, LITB, NMASC_STATE_ON, LIN_STA,
      STAOFF, LITB, NMASC_STATE_OFF, LIN_STA,
      STASVC, LITB, NMASC_STATE_SER, LIN_STA,
      SEN, LITB, NMASC_LINSV_ENA, LIN_SER,
      SDS, LITB, NMASC_LINSV_DIS, LIN_SER,
      CTM, NUMW, , ,
      COS, NUMB, , ,
```



```

: 158 P 0156 1 DEV, TKN,
: 159 P 0157 1 PROPOI, LITB, NMASC_LINPR_POI, LIN_PRO,
: 160 P 0158 1 PROCON, LITB, NMASC_LINPR_CON, LIN_PRO,
: 161 P 0159 1 PROTRI, LITB, NMASC_LINPR_TRI, LIN_PRO,
: 162 P 0160 1 PRODMC, LITB, NMASC_LINPR_DMC, LIN_PRO,
: 163 P 0161 1 PROLAP, LITB, NMASC_LINPR_LAPB, LIN_PRO,
: 164 P 0162 1 PRONI, LITB, NMASC_LINPR_NI, LIN_PRO,
: 165 P 0163 1 DPF, LITB, NMASC_DPX_FUL, LIN_DUP,
: 166 P 0164 1 DPH, LITB, NMASC_DPX_HAL, LIN_DUP,
: 167 P 0165 1 CLB, LITB, NMASC_LINCN_LOO, LIN_CON,
: 168 P 0166 1 CNM, LITB, NMASC_LINCN_NOR, LIN_CON,
: 169 P 0167 1 CLE, LITB, NMASC_LINCL_EXT, LIN_CLO,
: 170 P 0168 1 CLI, LITB, NMASC_LINCL_INT, LIN_CLO,
: 171 P 0169 1 TYPNT, LITB, NMASC_LINTY_POI, LIN_TYP,
: 172 P 0170 1 TYPCTL, LITB, NMASC_LINTY_CON, LIN_TYP,
: 173 P 0171 1 TYPTRB, LITB, NMASC_LINTY_TRI, LIN_TYP,
: 174 P 0172 1 TYPDMC, LITB, NMASC_LINTY_DMC, LIN_TYP,
: 175 P 0173 1 STM, NUMW, . .
: 176 P 0174 1 NTM, NUMW, . .
: 177 P 0175 1 HTI, NUMW, . .
: 178 P 0176 1 MBL, NUMW, . .
: 179 P 0177 1 MRT, NUMB, . .
: 180 P 0178 1 MWI, NUMB, . .
: 181 P 0179 1 TRB, NUMB, . .
: 182 P 0180 1 SLT, NUMW, . .
: 183 P 0181 1 DDT, NUMW, . .
: 184 P 0182 1 DLT, NUMW, . .
: 185 P 0183 1 SRT, NUMW, . .
: 186 P 0184 1
: 187 P 0185 1 BFN, NUMW, . .
: 188 P 0186 1
: 189 P 0187 1 MCD, TKN,
: 190 P 0188 1 MDDTE, LITB, NMASC_X25MD_DTE, LIN_XMD,
: 191 P 0189 1 MDDCE, LITB, NMASC_X25MD_DCE, LIN_XMD,
: 192 P 0190 1 MDDTL, LITB, NMASC_X25MD_DTL, LIN_XMD,
: 193 P 0191 1 MDDCL, LITB, NMASC_X25MD_DCL, LIN_XMD,
: 194 P 0192 1
: 195 P 0193 1 EPT, NUMW, . .
: 196 P 0194 1 BFS, NUMW, . .
: 197 P 0195 1
: 198 0196 1 )
: 199 0197 1
: 200 P 0198 1 BUILD_SDB
: 201 P 0199 1
: 202 0200 1 (LIN, NMASC_ENT_LIN, VRB_ENT, LIN)
```

```
204 0201 1 %SBTTL 'Prompt strings'
205 0202 1
206 0203 1
207 0204 1 Build prompt strings
208 0205 1
209 0206 1
210 0207 1 BIND
211 0208 1
212 P 0209 1 PROMPT_STRINGS
213 P 0210 1 (LIN,
214 P 0211 1
215 P 0212 1 BFN, 'Number of receive buffers (1-1024): ',
216 P 0213 1 CLO, 'Clock mode (EXTERNAL, INTERNAL): ',
217 P 0214 1 CON, 'Controller mode (NORMAL, LOOPBACK): ',
218 P 0215 1 CTM, 'Counter timer (1-65535 seconds): ',
219 P 0216 1 DDT, 'Dead timer (1-65535 milliseconds): ',
220 P 0217 1 DLT, 'Delay timer (1-65535 milliseconds): ',
221 P 0218 1 DEV, 'Device (dev-c-u.t): ',
222 P 0219 1 DPX, 'Duplex mode (FULL, HALF): ',
223 P 0220 1 HTI, 'Holdback timer (1-65535 milliseconds): ',
224 P 0221 1 MBL, 'Maximum block (1-65535): ',
225 P 0222 1 MRT, 'Maximum retransmits (1-255): ',
226 P 0223 1 MWI, 'Maximum window (1-255 blocks): ',
227 P 0224 1 PRO, 'Protocol (DDCMP CONTROL/DMC/POINT/TRIBUTARY, LAPB, ETHERNET): ',
228 P 0225 1 NTM, 'Retransmit timer (1-65535 milliseconds): ',
229 P 0226 1 SLT, 'Scheduling timer (50-65535 milliseconds): ',
230 P 0227 1 SVM, 'Service mode (ENABLED, DISABLED): ',
231 P 0228 1 STM, 'Service timer (1-65535 milliseconds): ',
232 P 0229 1 STA, 'Line state (ON, OFF, SERVICE): ',
233 P 0230 1 SRT, 'Stream timer (0-65535 milliseconds): ',
234 P 0231 1
235 0232 2 )
236 0233 1 ;
```



```
: 238      0234 1 %SBTTL 'State Table for Line Parameters'
: 239      0235 1
: 240      0236 1 $INIT_STATE (NCP$G_STTBL_LIN, NCP$G_KYTBL_LIN);
: 241      0237 1
: 242      0238 1
: 243      0239 1 !
: 244      0240 1 !
: 245      0241 1 SET/DEFINE LINE Parameter States
: 246      P 0242 1 $STATE (ST_LIN,
: 247      P 0243 1 ( (SE_ALL), ST_LIN DOIT), ! All parameter
: 248      P 0244 1 (TPAS_EOS, , ACT$PMT_ON), ! Prompt if no keywords
: 249      P 0245 1 (TPAS_LAMBDA, ST_LIN_PRC, ACT$PMT_OFF) ! Process keywords
: 250      0246 1 );
: 251      0247 1
: 252      P 0248 1 PROMPT_STATES ! Prompt for these parameters
: 253      P 0249 1 (LIN,
: 254      P 0250 1
: 255      P 0251 1 BFN, PRO, STA
: 256      P 0252 1
: 257      0253 1 )
: 258      0254 1
: 259      P 0255 1 $STATE (ST_LIN DOIT,
: 260      P 0256 1 (TPAS_EOS, TPAS_EXIT, ACT$VRB_UTILITY, , , SDB$G_LIN),
: 261      0257 1 );
```

```

: 263      0258 1 %SBTTL 'Dispatch States'
: 264      0259 1
: 265      0260 1
: 266      0261 1
: 267      0262 1
: 268      0263 1
: 269      P 0264 1 $STATE (ST_LIN_PRC,
: 270      P 0265 1
: 271      P 0266 1 DISPATCH_STATES
: 272      P 0267 1 (LIN,
: 273      P 0268 1
: 274      P 0269 1 BFS, 'BUFFER',
: 275      P 0270 1 CLO, 'CLOCK',
: 276      P 0271 1 CON, 'CONTROLLER',
: 277      P 0272 1 COS, 'COST',
: 278      P 0273 1 CTM, 'COUNTER',
: 279      P 0274 1 DDT, 'DEAD',
: 280      P 0275 1 DLT, 'DELAY',
: 281      P 0276 1 DEV, 'DEVICE',
: 282      P 0277 1 DPX, 'DUPLEX',
: 283      P 0278 1 EPT, 'ETHERNET',
: 284      P 0279 1 HTI, 'HOLDBACK',
: 285      P 0280 1 MAX, 'MAXIMUM',
: 286      P 0281 1 MCD, 'MICROCODE',
: 287      P 0282 1 XMD, 'MODE',
: 288      P 0283 1 NTM, 'NORMAL',
: 289      P 0284 1 PRO, 'PROTOCOL',
: 290      P 0285 1 BFN, 'RECEIVE',
: 291      P 0286 1 NTM, 'RETRANSMIT',
: 292      P 0287 1 SLT, 'SCHEDULING',
: 293      P 0288 1 SVC, 'SERVICE',
: 294      P 0289 1 STA, 'STATE',
: 295      P 0290 1 SRT, 'STREAM',
: 296      P 0291 1 TRB, 'TRIBUTARY',
: 297      P 0292 1 TYP, 'TYPE',
: 298      P 0293 1
: 299      P 0294 1 )
: 300      P 0295 1 ;(TPAS_EOS, ST_LIN_DOIT)
: 301      0296 1 ;

```

! [V2 only - same as RETRANSMIT TIMER]


```
.. 303      0297 1
.. 304      0298 1 %SBTTL 'Process States'
.. 305      0299 1
.. 306      0300 1
.. 307      0301 1
.. 308      0302 1
.. 309      0303 1
.. 310      P 0304 1 PROCESS_STATES
.. 311      P 0305 1 (LIN,
.. 312      P 0306 1
.. 313      P 0307 1 BFS, 'SIZE',
.. 314      P 0308 1 CLO, ,
.. 315      P 0309 1 CON, ,
.. 316      P 0310 1 COS, ,
.. 317      P 0311 1 CTM, 'TIMER',
.. 318      P 0312 1 DDT, 'TIMER',
.. 319      P 0313 1 DLT, 'TIMER',
.. 320      P 0314 1 DEV, ,
.. 321      P 0315 1 DPX, ,
.. 322      P 0316 1 HTI, 'TIMER',
.. 323      P 0317 1 MWI, ,
.. 324      P 0318 1 MRT, ,
.. 325      P 0319 1 MBL, ,
.. 326      P 0320 1 NTM, 'TIMER',
.. 327      P 0321 1 PRO, ,
.. 328      P 0322 1 BFN, 'BUFFERS',
.. 329      P 0323 1 SLT, 'TIMER',
.. 330      P 0324 1 STM, ,
.. 331      P 0325 1 SVM, ,
.. 332      P 0326 1 STA, ,
.. 333      P 0327 1 SRT, 'TIMER',
.. 334      P 0328 1 TRB, ,
.. 335      P 0329 1 TYP, ,
.. 336      P 0330 1
.. 337      P 0331 1 MCD, 'DUMP',
.. 338      P 0332 1 XMD, ,
.. 339      P 0333 1 EPT, 'PROTOCOL',
.. 340      0334 1 )

! From MAX below
! From MAX below
! From MAX below

! From SVC below
! From SVC below
```



```
.. 342      0335 1 %SBTTL 'Subexpression States'
.. 343      0336 1
.. 344      0337 1
.. 345      0338 1
.. 346      0339 1
.. 347      0340 1
.. 348      P 0341 1
.. 349      P 0342 1
.. 350      P 0343 1
.. 351      P 0344 1
.. 352      P 0345 1
.. 353      P 0346 1
.. 354      P 0347 1
.. 355      P 0348 1
.. 356      P 0349 1
.. 357      P 0350 1
.. 358      P 0351 1
.. 359      P 0352 1
.. 360      P 0353 1
.. 361      P 0354 1
.. 362      P 0355 1
.. 363      P 0356 1
.. 364      P 0357 1
.. 365      P 0358 1
.. 366      P 0359 1
.. 367      P 0360 1
.. 368      P 0361 1
.. 369      P 0362 1
.. 370      0363 1
.. 371      0364 1
```

Sub_expressions

SUB EXPRESSIONS
(LIN,

BFN, TPAS_DECIMAL,
COS, TPAS_DECIMAL,
CTM, TPAS_DECIMAL,
NTM, TPAS_DECIMAL,
STM, TPAS_DECIMAL,
TRH, TPAS_DECIMAL,
HTI, TPAS_DECIMAL,
SLT, TPAS_DECIMAL,
DDT, TPAS_DECIMAL,
DLT, TPAS_DECIMAL,
SRT, TPAS_DECIMAL,
MBL, TPAS_DECIMAL,
MRT, TPAS_DECIMAL,
MWI, TPAS_DECIMAL,
DEV, (SE_LINE_ID),
MCD, (SE_FILE_ID),
EPT, TPAS_HEX,
BFS, TPAS_DECIMAL,
)


```
373 0365 1 |
374 0366 1 | Dispatch on MAXIMUM keyword
375 0367 1 |
376 0368 1 |
377 P 0369 1 $STATE (ST_LIN_PRC_MAX,
378 P 0370 1
379 P 0371 1 DISPATCH_STATES
380 P 0372 1 (LIN,
381 P 0373 1
382 P 0374 1 MBL, 'BLOCK',
383 P 0375 1 MRT, 'RETRANSMITS',
384 P 0376 1 MWI, 'WINDOW',
385 P 0377 1
386 P 0378 1 );
387 0379 1
388 0380 1
389 0381 1 |
390 0382 1 | Dispatch on SERVICE keyword
391 0383 1 |
392 0384 1 |
393 P 0385 1 $STATE (ST_LIN_PRC_SVC,
394 P 0386 1 ( (ST_LIN_SVM), ST_LIN_PRC),
395 P 0387 1 ('TIMER')
396 0388 1 );
397 0389 1
398 P 0390 1 $STATE (
399 P 0391 1 ( (ST_LIN_STM), ST_LIN_PRC),
400 0392 1 );
401 0393 1
402 P 0394 1 $STATE (ST_LIN_SVM,
403 P 0395 1
404 P 0396 1 KEYWORD_STATE
405 P 0397 1 (LIN,
406 P 0398 1
407 P 0399 1 SEN, 'ENABLED',
408 P 0400 1 SDS, 'DISABLED',
409 P 0401 1
410 P 0402 1 );
411 0403 1 );
412 0404 1
413 0405 1 |
414 0406 1 | Protocol
415 0407 1 |
416 0408 1 |
417 P 0409 1 $STATE (ST_LIN_PRO,
418 P 0410 1
419 P 0411 1 ('LAP', TPAS_FAIL),
420 P 0412 1
421 P 0413 1
422 P 0414 1 KEYWORD_STATE
423 P 0415 1 (LIN,
424 P 0416 1
425 P 0417 1 PROLAP, 'LAPB',
426 P 0418 1 PRONI, 'ETHERNET',
427 P 0419 1
428 P 0420 1 ),
429 P 0421 1
```

```
! Force LAPB to be spelled out to
! allow for LAP protocol in the future
```

```
430 P 0422 1 DISPATCH_STATES
431 P 0423 1 (LIN,
432 P 0424 1
433 P 0425 1 DDCMP, 'DDCMP',
434 P 0426 1
435 P 0427 1 )
436 P 0428 1 );
437 P 0429 1
438 P 0430 1 $STATE (ST_LIN_PRC_DDCMP,
439 P 0431 1
440 P 0432 1 KEYWORD_STATE
441 P 0433 1 (LIN,
442 P 0434 1
443 P 0435 1 PROPOI, 'POINT',
444 P 0436 1 PROCON, 'CONTROL',
445 P 0437 1 PRODMC, 'DMC',
446 P 0438 1 PROTRI, 'TRIBUTARY',
447 P 0439 1
448 P 0440 1 )
449 P 0441 1 );
450 P 0442 1
451 P 0443 1 !
452 P 0444 1 Duplex mode
453 P 0445 1 !
454 P 0446 1
455 P 0447 1 $STATE (ST_LIN_DPX,
456 P 0448 1
457 P 0449 1 KEYWORD_STATE
458 P 0450 1 (LIN,
459 P 0451 1
460 P 0452 1 DPF, 'FULL',
461 P 0453 1 DPH, 'HALF',
462 P 0454 1
463 P 0455 1 )
464 P 0456 1 );
465 P 0457 1
466 P 0458 1 !
467 P 0459 1 Line state
468 P 0460 1 !
469 P 0461 1
470 P 0462 1 $STATE (ST_LIN_STA,
471 P 0463 1
472 P 0464 1 KEYWORD_STATE
473 P 0465 1 (LIN,
474 P 0466 1
475 P 0467 1 STAOFF, 'OFF',
476 P 0468 1 STAON, 'ON',
477 P 0469 1 STASVC, 'SERVICE',
478 P 0470 1
479 P 0471 1 )
480 P 0472 1 );
481 P 0473 1
482 P 0474 1
483 P 0475 1 !
484 P 0476 1 Line type
485 P 0477 1 !
486 P 0478 1
```



```

: 487 P 0479 1 $STATE (ST_LIN_TYP,
: 488 P 0480 1
: 489 P 0481 1 KEYWORD_STATE
: 490 P 0482 1 (LIN,
: 491 P 0483 1
: 492 P 0484 1 TYPCTL, 'CONTROL',
: 493 P 0485 1 TYPNT, 'POINT',
: 494 P 0486 1 TYPTRB, 'TRIBUTARY',
: 495 P 0487 1 TYPDMC, 'DMC',
: 496 P 0488 1
: 497 P 0489 1 )
: 498 0490 1 );
: 499 0491 1
: 500 0492 1
: 501 0493 1 Line controller mode
: 502 0494 1
: 503 0495 1
: 504 P 0496 1 $STATE (ST_LIN_CON,
: 505 P 0497 1
: 506 P 0498 1 KEYWORD_STATE
: 507 P 0499 1 (LIN,
: 508 P 0500 1
: 509 P 0501 1 CLB, 'LOOPBACK',
: 510 P 0502 1 CNM, 'NORMAL',
: 511 P 0503 1
: 512 P 0504 1 )
: 513 0505 1 );
: 514 0506 1
: 515 0507 1
: 516 0508 1 Line clock mode
: 517 0509 1
: 518 0510 1
: 519 P 0511 1 $STATE (ST_LIN_CLO,
: 520 P 0512 1
: 521 P 0513 1 KEYWORD_STATE
: 522 P 0514 1 (LIN,
: 523 P 0515 1
: 524 P 0516 1 CLE, 'EXTERNAL',
: 525 P 0517 1 CLI, 'INTERNAL',
: 526 P 0518 1
: 527 P 0519 1 )
: 528 0520 1 );
: 529 0521 1
: 530 0522 1
: 531 0523 1 X25 line mode
: 532 0524 1
: 533 0525 1
: 534 P 0526 1 $STATE (ST_LIN_XMD,
: 535 P 0527 1
: 536 P 0528 1 KEYWORD_STATE
: 537 P 0529 1 (LIN,
: 538 P 0530 1
: 539 P 0531 1 MDDTE, 'DTE',
: 540 P 0532 1 MDDCE, 'DCE',
: 541 P 0533 1 MDDTL, 'DTE_LOOP',
: 542 P 0534 1 MDDCL, 'DCE_LOOP',
: 543 P 0535 1
```

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Line Parameter Parse States and Data
Subexpression States

H 1
16-Sep-1984 00:30:24
14-Sep-1984 12:48:22

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[NCP.SRC]NCPSTALIN.B32;1

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: 544
: 545

P 0536 1)
0537 1);

NC
VO

:	547	0538	1	%SBTTL	'Define Subexpressions'	
:	548	0539	1			
:	549	0540	1	:		
:	550	0541	1	:	Define Subexpressions from Library	
:	551	0542	1	:		
:	552	0543	1			
:	553	0544	1	SEM_ALL	:	All parameter
:	554	0545	1	SEM_FILE_ID	:	File spec
:	555	0546	1	SEM_LINE_ID	:	Device name string

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Line Parameter Parse States and Data
Object Listing of Parse Table

J 1
16-Sep-1984 00:30:24
14-Sep-1984 12:48:22

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[NCP.SRC]NCPSTALIN.B32;1

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: 557
: 558
: 559
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0547 1 %SBTTL 'Object Listing of Parse Table'
0548 1
0549 1 END
0550 0 ELUDOM

!End of module

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